Ham-Homebrew Digest   Sat, 2 Oct 93   Volume 93 : Issue   62

Today's Topics:
                    aaaaaaaarrrrgggghhhh! (3 msgs)
                        Butterworth Filters
                        Dummy Load question
                  PLL synthesis - novice question.
                      Rick Campbell's R2/T2
                      Voltage for delay relay?

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 1 Oct 93 18:24:54 GMT
From: ogicse!hp-cv!hp-pcd!hpcvsnz!davidc@network.ucsd.edu
Subject: aaaaaaaarrrrgggghhhh!
To: ham-homebrew@ucsd.edu

Douglas J Renze (drenze@icaen.uiowa.edu) wrote:
: AAAAAAAARRRRRRRGGGGGGGGGHHHHHHHH!

: It'd been a while since I'd soldered anything...so I decided to shorten the
: cord of the earplug I use with my HT...it was a bit too long, and the plug
: needed replacing anyway. So I chop it off and solder the new jack to the
: end of the cord, right? Beautiful job. Never done better, if I do say so
: myself.
:   I let it cool, then get ready to check it out. I plug the jack into
: the HT, run my finger up the cord to pull over the earplug...and come up
: against the jack I'd just trimmed off the end of the cord.

: *sigh*

: I guess there's a lesson in there somewhere.

: Anybody know a good use for a patch cord?

: 73,

: Doug N0YVW

: --
: __   /| | Douglas J Renze, N0YVW | Charter Member, Popular Front
: \'o.0' | +1 319 337 4664 | for Revolutionary Darwinism:
: =(___)= | drenze@icaen.uiowa.edu |
:   U | Douglas-Renze@uiowa.edu | Evolution Now!

It really takes some courage to admit to doing something like this in such
a widely read forum... but it does remind me of the mistake I seem to make
over and over.

I solder the new jack to the end of the cord. Beautiful job. Never done better.
Then I discover that I forgot to slip the little cover that is supposed to get
put over the connections onto the cord first. Why can't I remember?

Dave, KB7QCL

Date: 1 Oct 93 20:07:12 GMT
From: psinntp!arrl.org@uunet.uu.net
Subject: aaaaaaaarrrrggggghhhh!
To: ham-homebrew@ucsd.edu

In rec.radio.amateur.homebrew, davidc@lsid.hp.com (David Cook) writes:

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>a widely read forum... but it does remind me of the mistake I seem to make
>over and over.

>I solder the new jack to the end of the cord. Beautiful job. Never done better.
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>put over the connections onto the cord first. Why can't I remember?

Gee, Dave, I always remember to put the little cover ... on the FIRST
plug one of two that I solder onto a cable! :-).

73, Ed

Ed Hare, KA1CV   ehare@arrl.org
American Radio Relay League
225 Main St.
Newington, CT 06111   The opinions expressed in my posts do
(203) 666-1541 - voice   not necessarily represent League policy,
ARRL Laboratory Supervisor   but I can probably get in trouble for
RFI, xmtr and rcvr testing   them anyway.

Date: Fri, 1 Oct 1993 16:01:45 GMT
From: spool.mu.edu!darwin.sura.net!gatech!swrinde!cs.utexas.edu!uwm.edu!
vixen.cso.uiuc.edu!moe.ksu.ksu.edu!hobbes.physics.uiowa.edu!news.uiowa.edu!
icaen.uiowa.edu!drenze@@munnari.oz.au
Subject: aaaaaaaarrrrgggghhhh!
To: ham-homebrew@ucsd.edu

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   U | Douglas-Renze@uiowa.edu | Evolution Now!

Date: 1 Oct 93 23:31:51 GMT
From: nevada.edu!ilikecpu@uunet.uu.net
Subject: Butterworth Filters
To: ham-homebrew@ucsd.edu

Hello all,

Are there any electronic math wizards out there that can help me find an
equation that when given the number of elements N, a cutoff freq., and
the source and load Z's the equation will determine the L and C values
for a low pass Butterworth Filter ????

Any and all information regarding Butterworth mathematics will be appreciated.

Thanks,
Barrie

Date: Thu, 30 Sep 1993 14:37:01 GMT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!math.ohio-state.edu!
cs.utexas.edu!asuvax!ennews!mcdphx!udc!dacapo.urbana.mcd.mot.com!
tcombs@network.ucsd.edu
Subject: Dummy Load question
To: ham-homebrew@ucsd.edu

I have been sssslllloowwwwly assembling my shack and now have a great transceiver
at
my disposal but lack a dummy load. I realize that you can buy them for 50-60
dollars but is
there a less expensive alternative to this? My rig puts out 400 watts so I want
to allow for
this power range. I remember back in the "good ole days" (middle to late 60's
when I was just
a wee lad) my dad used a 200 watt light bulb as a dummy load on our 100 watt
transmitter.
But I don't know what SWR problems, impedance mismatch problems, or RF radiation
problems
would be caused by that. I looked at the dummy loads in the Handbook but it
seemed that you
could spend about the same amount of money in building it.   Ideas?

Thanks
Tim
tcombs@urbana.mcd.mot.com

* I speak for no man but myself *

Date: Fri, 1 Oct 1993 19:28:43 GMT
From: sdd.hp.com!spool.mu.edu!sol.ctr.columbia.edu!jabba.ess.harris.com!
mlb.semi.harris.com!controls.ccd.harris.com!drs@network.ucsd.edu
Subject: PLL synthesis - novice question.
To: ham-homebrew@ucsd.edu

I have a Plessy Synthesiser IC handbook that is a few years old. Do they
have anything out (new) that is particularly useful for Hams? I would like
to play around with something that will generate a signal on the 14 mhz band
only (just to experiment with maybe 1khz steps). Not knowing terribly much
about PLL techniques, is the loop filter the tricky part of the design?
In this experimental application I would think that lock up time wouldn't
be too much of a concern for me. You PLL guru's probably don't have time
for my sort of questions, but comments are welcome.

Doug, N4IJ

Date: 2 Oct 93 00:14:10 GMT
From: ogicse!uwm.edu!spool.mu.edu!agate!iat.holonet.net!rohrwerk@network.ucsd.edu
Subject: Rick Campbell's R2/T2
To: ham-homebrew@ucsd.edu

koehler@skyfox writes:

>Jim, VE5FP

Jim, that's all that got posted! Would love to know what you had to say,
as I posted this a while back.

John K0JD

Date: Tue, 28 Sep 93 13:34:27 EDT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!gatech!concert!news-
feed-1.peachnet.edu!hobbes.cc.uga.edu!UGA.CC.UGA.EDU!STRICK@network.ucsd.edu
Subject: Voltage for delay relay?
To: ham-homebrew@ucsd.edu

I recently picked up an Amperite Delay Relay with identification on
the box and glass body of "6N015". Box says: Heater: Prongs 2-3,

Relay: Prongs 5-7. I know I can start with a low voltage and work
my way up trial-n-error, but does anyone have the specs for the
heater voltage on this little gem? Thanks.

                                            Strick

***** Bill Strickland ***** University of Georgia ***** Athens, GA *****

End of Ham-Homebrew Digest V93 #62
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